
Meter Installation and Service Lateral Phase 3 Project RFP Addendum #4

Project Description:

RFP to provide the installation of approximately 4,750 service laterals including excavation, valve installation and abandonment, new piping, angle stops, meter boxes, backfill and surface restoration. In addition, this project includes the installation of approximately 3,150 meters and meter interface units, and 2,000 new or reconfigured backflow prevention assemblies and all related appurtenances to support the continued return of metered potable water service to the Paradise Irrigation District (PID, or DISTRICT). The project includes public notification of all scheduled work as it is conducted.

For:

Paradise Irrigation District
6332 Clark Rd
Paradise CA 95969

Proposals Due:

1:00 pm, Friday April 28, 2023

Addendum #4 contains the following:

1. Clarification that updates to Specification Sections 01110 Scope of Work and 01130 Special project Constraints in Addendum 1 and Addendum 3 are cumulative. Attached are the final conformed versions of these Specification Sections including all relevant updates. The versions included in Addendum 4 shall supersede those previously issued.

APPROVED: _____



COLLEEN BOAK, PE
Project Engineer

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DATE ISSUED: April 21, 2023

Revisions to Specifications

See attached

SECTION 01110 SUMMARY OF WORK

PART 1 - GENERAL

1.1 LOCATION AND DESCRIPTION OF WORK

Work included in this contract includes General Work described in Section A, Site Specific Work described in Section B, and Optional Work described in Section C.

A. General Work:

1. Project Mobilization and Demobilization—Mobilization for the project as a whole shall include all labor and equipment necessary to assemble in the vicinity of the project and stage said labor and equipment in order to make ready to perform the work. Demobilization for the project as a whole shall include removal of the same once either work had been completed. This shall include any necessary storage or laydown areas, establishment of a local project office, or any related arrangements. The DISTRICT will not provide any temporary storage for materials, parking, or other staging needs. This item assumes the total project work includes 5,250 individual project sites.
2. Traffic Control – CONTRACTOR shall be responsible for execution of Traffic Control in accordance with all federal, state and local guidelines as required to complete all Contract Work. CONTRACTOR shall execute an encroachment permit with the Town of Paradise to accommodate this work.
3. Storm Water Pollution Prevention Plan (SWPPP) – This project is estimated to disturb in excess of 5 acres of total area. CONTRACTOR shall provide all labor, materials and resources to fully comply with applicable local, State and Federal regulations and requirements for water pollution prevention and control including the development and execution of a SWPPP. CONTRACTOR shall be responsible throughout the duration of the project for installing, constructing, inspecting, maintaining, replacing, removing, and disposing of temporary water pollution control practices specified in the SWPPP.
4. Public Notifications – (see Specification Section 01130)
 - a. Two-Week Advanced Notification

Two-week advanced notification requires a phone call/message for each assigned address using DISTRICT provided contact info AND a door hanger (or printed notice attached to a stake if no structure is present on site). The phone call/message and printed notice shall indicate planned work with a minimum of 2 weeks between the time notice is given and the time work takes place. Such notice must not be less specific than a one week period of time in which the work is planned.

- b. 48-Hour Advanced Notification

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48-Hour advanced notification requires a phone call/message for each assigned address using DISTRICT provided contact info AND a door hanger (or printed notice attached to a stake if no structure is present on site). The phone call/message and printed notice shall indicate planned work with a minimum of 48 hours and maximum of 72 hours between the time notice is given and the specific date and time window in which the work will take place.

- c. CONTRACTOR shall renotify customers using the methods described above as necessary to accommodate changes in planned construction due to field conditions, customer issues, and/or DISTRICT designated priority assignments.
- d. Content of printed materials shall be provided by the DISTRICT in PDF format with fillable fields for dates/times to be used by the CONTRACTOR. DISTRICT reserves the right to update contact information and/or public messaging information intermittently.
- e. CONTRACTOR shall maintain a detailed log of all public notifications. Data shall be broken down by address, date/time, notification type, success of any phone contact/messages left, type of printed notice left on site, and any other pertinent data. This shall be updated daily and maintained on Microsoft Sharepoint or a similar DISTRICT approved document sharing tool for regular viewing access by the ENGINEER and/or DISTRICT staff.

B. Site Specific Work

Individual Site SCOPE OF SERVICES					
Category	B1	B2	B3	B4	B5
Quantity	Replace Service Lateral	Meter Box Installation	Meter and MIU Installation	Install or Reconfigure Backflow Preventer Assembly	Tie In to Customer Plumbing
1600	X	X			
<u>1500</u>	X	X	X	X	X
<u>1500</u>	X	X	X		
150	X	X	X		X
500				X	X
<u>4,750</u>	total locations where work will take place				

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1. Replace Service Lateral

Field assess each assigned location and open Underground Service Alert ticket. Determine locations of existing infrastructure (service lateral, corporation stop, main, meter, any existing backflow device.)

a. Excavate Corporation Stop or Gate Valve

CONTRACTOR shall use hydraulic means of excavating at the main to expose the corporation valve or other valve serving as a corporation stop.

b. Hot Tap Saddle Connection or Tee –

Reuse existing corporation stop or other main connection valve if possible. In order to be reusable, the existing valve must meet the following criteria established by the DISTRICT:

- 1) Valve must be in operable condition.
- 2) If the service is a single service, the valve must be a minimum $\frac{3}{4}$ " in size.
- 3) If the service is a double or banked service (two meters fed from a common lateral connection through a wye), the valve must be a minimum 1 $\frac{1}{4}$ " in size.

If the existing corporation stop is not reusable according to the above criteria, CONTRACTOR shall hot tap the water main and install a new service saddle and corporation stop. Installation of a hot tap requires the abandonment of the existing corporation stop and lateral (see Item 2c below for further detail). A new hot tapped connection shall be adjacent to the existing lateral, but not less than 24" from the existing corporation stop, a weld, or pipe joint unless approved by the ENGINEER.

If the main is under 4 inches in size and a hot tap is not possible for the assigned size of service lateral, CONTRACTOR shall coordinate with ENGINEER to arrange a main shutdown facilitated by the DISTRICT. Only DISTRICT Operations staff may exercise main valves. Any such outage shall be coordinated 72 hours in advance of the time of work to ensure DISTRICT Operations staff is available.

- 1) Any public notifications necessary beyond the addresses for which work has been assigned resulting from a main shutdown shall be the responsibility of the DISTRICT.
- 2) A tee shall be installed in the main alignment using flex couplings to allow for the installation of the corporation stop valve and service lateral during the outage facilitated by the DISTRICT.
- 3) If there are several such laterals requiring tee installations along a length of main, work on these laterals shall be done simultaneously during the main outage facilitated by the DISTRICT. If there are a larger number of service laterals requiring an outage on one main than can be accomplished in one work

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day, CONTRACTOR may coordinate multiple outages with the ENGINEER and group the work into the minimum number and duration of main outages.

- 4) Excavation and preparatory work shall be done in advance by the CONTRACTOR wherever possible to allow the shortest possible main outage to install the flex couplings, tees, and valves. The main may be put back into service by the DISTRICT as soon all valves have been installed and closed.
- 5) Flushing and bacterial testing resulting from a main outage shall be the responsibility of the DISTRICT. Typical disinfection processes required for service lateral installation shall be the responsibility of the CONTRACTOR.

c. Abandon Existing Corporation Stop Valve and Lateral

If the existing corporation stop is determined to be of insufficient size, poor condition, or unacceptable orientation, and a new hot tap and service saddle are installed, the existing lateral and corporation stop must be abandoned.

- 1) The existing valve shall be turned to the off position to cease the flow of water to the existing service lateral. If the valve is successfully closed, cut the service lateral piping 6" downstream of the closed valve.
- 2) If the existing valve is not able to fully close, exercise the valve to the extent possible to stem the flow of water, cut the pipe 6" downstream of the valve and install a new ball valve and any required fittings which can then be operated to the closed position.
- 3) If the main and/or valve are determined by the CONTRACTOR to be of poor enough condition that the proposed abandonment will likely result in a failure or leak, ENGINEER shall be informed by the CONTRACTOR immediately and may give direction to leave the existing lateral in place without abandonment.

d. Trenchless Installation of New HDPE Service Lateral

Install new HDPE service lateral pipe by the trenchless method of "pulling" the new service lateral piping into place. Install the pipe in 1", 1.5", or 2" size as directed for each site. Services may be installed by trenchless methods where possible and open trenched methods where trenchless methods are not possible.

- 1) Existing corporation stop must be reusable.
- 2) The existing lateral must be polymer, copper, or steel and bedded in sand.

If these conditions are met, the existing service lateral piping may be disconnected from the valve and used to "pull" the new HDPE piping into the existing alignment.

- 3) New HDPE piping must be protected from dirt or debris during the "pull".

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- 4) If the "pull" fails, contractor must instead excavate and install using the Trenched Installation method. CONTRACTOR shall not be entitled to any additional compensation for a failed "pulling" operation but shall instead bill for the Trenched Installation.
 - 5) Install tracer wire from the main to the angle stop of the new service lateral, duct-taped and configured along the alignment of the lateral (see Section 15100). Tracer wire shall make positive contact with either the metallic main, or an existing tracer wire on the main. Connectivity of tracer wire shall be tested, confirmed, and documented by the CONTRACTOR. Tracer wire termination shall be wrapped around the angle stop inside the meter box and accessible above grade.
- e. Open Trench Installation of New HDPE Service Lateral
- Install new HDPE service lateral pipe in 1", 1.5", or 2" size as directed for each site. Services may be installed by trenchless methods where possible and open trenched methods where trenchless methods are not possible. Excavate along an alignment perpendicular to the main/roadway for the installation of the new service lateral. Install service lateral piping in accordance with Standard Details.
- 1) If the existing service is configured as a "double service" (See Standard Detail PID-06) install new HDPE piping in a "double service" configuration with 2" HDPE and a wye to serve both meters. If service is a single service configuration (see Standard Detail PID-05), install 1" HDPE.
 - 2) Work includes excavation, demolition as necessary, installation of pipe, tracer wire, angle stop, disinfection, and all necessary fittings and components.
 - 3) Work includes shoring as may be required.
 - 4) Work includes trench backfill with ENGINEER approved sand bedding and pipe zone fill, and asphalt base (AB) for the remainder. All backfill materials must be compacted according to specifications.
 - 5) Install tracer wire from the main to the angle stop of the new service lateral, duct-taped and configured along the alignment of the lateral (see Section 15100). Tracer wire shall make positive contact with either the metallic main, or an existing tracer wire on the main. Connectivity of tracer wire shall be tested, confirmed, and documented by the CONTRACTOR. Tracer wire termination shall be wrapped around the angle stop inside the meter box and accessible above grade.

CONTRACTOR Install angle stop up to the future meter location. CONTRACTOR shall engage the services of an engineer or surveyor (EIT, PE, LSIT, or PLS), approved by the ENGINEER, who shall be responsible for determining the location of the new or future meter and backflow installation in the field. This determination for each site

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must be completed in advance of any mobilization of the CONTRACTOR's crew to complete installations.

CONTRACTOR shall be responsible for ensuring the angle stop is installed per PID Standard Details and at the correct elevation, orientation, and location to allow for meter and backflow installation at every work site, regardless of whether the CONTRACTOR has been assigned the meter and backflow installation at that work site.

Future meter and backflow locations shall be assumed to be the same as existing meter locations with allowable adjustments up to 3 linear feet in any direction without ENGINEER approval. CONTRACTOR shall consider the following DISTRICT criteria for placement of angle stop valves as it relates to future meter box, meter and backflow installations:

- Meters and backflows shall be accessible by the DISTRICT for future maintenance.
- Meters and backflows shall be installed outside of fenced areas.
- Meters and backflows shall be installed outside of vehicular and pedestrian paths of travel.
- Meters and backflows shall not be obscured by landscaping.
- Meter box and backflow locations shall be a minimum of 2' from all other utilities and a minimum of 3' from hydrants or utility poles.
- Meter and backflow should be installed with the minimum impact to private or public property.
- In commercial applications, CONTRACTOR shall evaluate the meter/backflow installation location for bollard installation as may be needed to protect the above grade appurtenances if they will be directly adjacent to parking or a drive aisle. ENGINEER shall be notified of any proposed bollard location for review and approval.
- CONTRACTOR shall notify ENGINEER of any sites requiring DISTRICT Operations staff input (see Section 01130) to determine installation location due to inability to locate existing infrastructure, utility conflicts, customer landscaping/fencing or other installations, unforeseen conflicts.
- If the service lateral is assigned without the installation of a meter, the angle stop shall have a bullet installed to lock the valve from usage. These services will be installed with a meter box only.

f. Asphalt Restoration

CONTRACTOR shall saw cut and repair or replace asphalt as necessary to facilitate the installation of service laterals, meters, or backflows.

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- 1) This work may include roadways, sidewalks, driveways, curbs, gutters, or other asphalt surface treatments.
- 2) Asphalt shall be replaced in accordance with the Town of Paradise Standard Details included in the Contract Documents.
- 3) Any striping legend damaged or affected by paving work shall be restored in entirety.
- 4) Temporary patching of roadways may be allowed to wait for required atmospheric conditions for asphalt pavement. Temporary patching must be installed in a workmanlike fashion, in accordance with industry standards and maintained to that level until such time as the permanent patch may be installed.
- 5) Arterial roadways in the Town of Paradise require two 3" lifts of asphalt, all other surface streets require a single 3" lift.

g. Asphalt Base (AB) Restoration

CONTRACTOR shall remove and replace gravel or asphalt base (AB) in unpaved roadways or driveways as necessary to facilitate the installation of service laterals, meters or backflows.

- 1) This work may include roadways, driveways, shoulders, or other graveled areas.
- 2) AB shall be replaced in a manner that matches the original. If in a roadway, compaction requirements of the Town of Paradise Standard Details must be met.
- 3) A minimum 2" lift shall be placed for all AB repair or replacement.

h. Concrete Restoration

- 1) CONTRACTOR shall saw cut and replace any concrete disturbed, damaged, or removed in order to facilitate the installation of service laterals, meters, or backflows.
- 2) This work may include concrete sidewalks, driveways, curbs, gutters, retaining walls or other concrete appurtenances.
- 3) Concrete shall be replaced in accordance with the Town of Paradise Standard Details included in the Contract Documents.

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2. Install Meter Boxes

Install meter box in accordance with PID Standard Details with grade sloped to drain a minimum of 6" in all directions around the box and the angle stop at a relative depth allowing for proper installation of the meter within the box.

- a. All valving within the box shall have sufficient clearance to operate.
- b. Meter box lids should fit well and should not extend above the lip of the meter box by more than ¼".
- c. Meter boxes shall be installed and supported with proper backfill materials and compaction to prevent settling, free of debris and/or standing water within the box.
- d. If the work address is part of a banked set of services, CONTRACTOR shall install the adjacent meter boxes with grade set level between the boxes, installed with a 24" distance from meter centerline to meter centerline.

3. Install Meter and Meter Interface Unit (MIU)

Install Meter, MIU, and all required valves, fittings, and components along with any related work necessary to meet the DISTRICT's Standard Details and manufacturer recommendations for the meter and MIU.

- a. Meter size shall be assigned for each site by the ENGINEER.
- b. Meters and MIUs shall only be installed by CONTRACTOR personnel trained by the manufacturer of the DISTRICT's current metering infrastructure, Zenner USA. Certification or other proof of training by these personnel must be provided to the ENGINEER.
- c. MIU Installation – the Meter Interface Unit shall be installed on each meter according to manufacturer instructions (Zenner USA) and attached to the underside of the meter box lid as shown in the Standard Details and outlined in the Specifications.
- d. Work includes demolition of existing meter boxes and/or meters and equipment as necessary.

4. Install Backflow Preventer Assembly

a. At approximately 1500 of the 2000 backflow preventer installation work sites the CONTRACTOR will be assigned the installation of a backflow preventer assembly in addition to the service lateral, meter box, meter and MIU.

b. At approximately 500 of the 2000 backflow preventer installation work sites the CONTRACTOR will be assigned the installation of only a backflow preventer assembly. These sites will already have a service lateral, meter box, new Zenner PMF-type meter and MIU installed. CONTRACTOR shall connect to the existing

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meter and proceed with installation of the assigned backflow preventer device in accordance with the Standard Details.

a.1) ~~Reconfigured Backflow Devices~~ -- For an estimated 600 of the 2000 sites assigned to the CONTRACTOR for installation of a backflow preventer assembly, a reduced pressure principle backflow preventer (RP) assembly with galvanized piping set at an approximate 30" height will already be present – this is referred to as an Interim Water Service Device or IWS and were installed by the DISTRICT originally to provide emergency access to water after the Camp Fire Disaster. Where these devices are found to be present, the CONTRACTOR shall remove the assembly and disassemble it. Galvanized piping shall be salvaged and returned to the DISTRICT Corporation Yard (6334 Clark Road, Paradise CA) at an interval/time/date as arranged with the ENGINEER. The remaining brass RP backflow body shall be reconfigured by the contractor with new brass pipe, fittings, valves and components to match the DISTRICT's Standard Details and reinstalled on the same service. The assembly shall be reinstalled as described in Standard Detail PID-15 with permanent piping connections installed on each side.

b.2) ~~New Backflow Devices~~ – As an estimated 1400 sites assigned to the CONTRACTOR for backflow prevention assembly installation, there will be no IWS device present. CONTRACTOR shall install a new backflow preventer device according to the Standard Details.

c.3) ~~Backflow preventer device size for each site shall be assigned by the ENGINEER.~~

d.4) ~~If any backflow prevention device other than an reduced pressure principle device (RP) or double check (DC) is present, CONTRACTOR shall notify ENGINEER and not commence installation of a meter or meter box until notice to proceed is given by ENGINEER.~~

e.5) ~~For any site at which space or other physical constraints prevent the installation of the backflow according to the configuration shown in the Standard Details, consult the ENGINEER for direction and preferred configuration/location of the backflow. For any site where the CONTRACTOR has been assigned the service lateral and meter installation, this must be taken into account and planned for by the CONTRACTOR at the time of the service installation. However, at the estimated 500 sites where only a backflow prevention assembly will be installed, there may be space or configuration restrictions requiring the ENGINEER's direction.~~

f.6) ~~Perform standard testing on all installed or reconfigured backflow prevention devices. Testing must be performed by a CA NV AWWA Certified Backflow Prevention Assembly Tester. Once all plumbing components are~~

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installed, perform standard backflow device testing and return to service within a maximum duration of 4 hours to ensure minimum disruption of water service.

~~g.7)~~ Upon completion of testing, pressurize the backflow device by slowly opening the customer side valve. Relief valves damaged in the process of testing the device shall be repaired/replaced and the backflow device tested again at the CONTRACTOR's expense. If a backflow device fails that has been installed under this contract, the device shall be repaired or replaced as necessary to ensure the installation of an operable and compliant device. This repair or replacement shall take place same day to minimize disruption of water service.

~~h.8)~~ It shall be the CONTRACTOR's responsibility to document the passing results of the backflow test on a blue tag affixed to the backflow device (see Section 15200) as well as to maintain Microsoft Excel-based records of all backflow prevention tests and to convey all records to ENGINEER and PID on a weekly basis. Each backflow test record must include the following information at minimum:

- Date
- Time
- Address of test
- Size of backflow preventer device
- Serial number of backflow assembly
- Result of test
- Retest results if necessary

9) All backflow preventer assemblies installed by the CONTRACTOR, either new or reconfigured shall be installed with a new frost protection bag, secured with a zip tie or similar fastener as approved by the ENGINEER. If there is an existing backflow preventer frost protection bag in place that is in functional condition as determined by the INSPECTOR, it shall be salvaged and returned to the DISTRICT. If an existing frost protection bag is in deteriorated condition as determined by the INSPECTOR it shall be disposed of by the CONTRACTOR.

5. Repair Backflow Device

- a. If CONTRACTOR is assigned a backflow device reconfiguration for an existing IWS device and finds that the backflow assembly requires repair, CONTRACTOR shall make necessary repairs in the field and retest the backflow, returning it to active and operable service and recording all test information as otherwise outlined in these project documents. Said repair shall take place same day in order to minimize outages to customers.
- b. New backflow prevention assemblies provided and installed by the CONTRACTOR which are found upon installation to require repair shall be the responsibility of the CONTRACTOR at no additional cost to the District.

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5.6. Connect to Customer Plumbing

- a. An estimated 1,500 work sites will be assigned to the CONTRACTOR for the installation of a service lateral, meter, and backflow assembly. CONTRACTOR shall install the assigned work items at this location per Standard Details. If the property owner was tied into active water service at the start of work or has underground plumbing up to the location of the existing meter or IWS device, CONTRACTOR shall be responsible for installing a connection to the customer's plumbing using ENGINEER approved fittings.
- b. An estimated 150 work sites will be assigned to the CONTRACTOR for the installation of a service lateral and meter, where the customer has exercised their option to install and own their own backflow preventer device. These locations will be identified to the CONTRACTOR as the backflow device at these locations should not be reconfigured or a new backflow preventer device installed.
 - 1) If the work site has a backflow device in place, the CONTRACTOR shall install the assigned work items and CONTRACTOR shall be responsible for all necessary components and work to establish a permanent plumbing connection to the existing backflow device in accordance with the Standard Details.
 - 2) If the work site does not have a backflow device in place, but is tied into active water use, the CONTRACTOR shall install the assigned work items and shall install a permanent plumbing connection to the customers plumbing. CONTRACTOR shall inform the ENGINEER of this circumstance immediately.
 - 3) If the work site does not have a backflow device in place and there is no current or active water connection the CONTRACTOR shall install the assigned work items and shall be responsible for installing a brass pipe cap where the backflow would have been connected, leaving the downstream valve in the off position.
 - 4) If a backflow preventer assembly is left with a valve turned to the off position, CONTRACTOR shall leave a door-hanger style notice, provided by the DISTRICT, on the backflow device itself. This notice shall provide information to the customer about returning their service to water.
- c. An estimated 500 work sites will be assigned to the CONTRACTOR for the installation of a backflow preventer assembly only. If the property owner was tied into active water service at the start of work or has underground plumbing up to the location of the existing meter or IWS device, CONTRACTOR shall be responsible for installing a permanent connection to the customer's plumbing using ENGINEERING approved fittings.
- d. CONTRACTOR shall not be responsible for reconnecting to above-grade customer plumbing or hoses, however if this situation is encountered, ENGINEER or INSPECTOR should be informed immediately. CONTRACTOR shall install assigned work items with a brass cap.

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- e. CONTRACTOR may be required to move customer owned backflow preventer assemblies back and adjust associated plumbing in order to install the meter within the allowable space at the site in compliance with DISTRICT standards. Additional trenching, pipe and fittings required to accomplish this adjustment for an average distance of 3 linear feet shall be considered in the unit price and shall not result in extra cost.
- f. CONTRACTOR may be required to pipe back to a customer's plumbing to make a connection if site constraints required an adjustment of the meter and backflow location from preexisting location. An average of 3 linear feet of trenching and plumbing to accomplish this reconnection shall be considered in the unit price for the customer tie in and shall not result in extra cost.
- g. If any service has a bullet in the angle stop the CONTRACTOR shall remove the bullet with a bullet key in order to exercise the angle stop and proceed with the assigned installations. Upon completion of work, CONTRACTOR shall replace the bullet to lock the angle stop in the closed position.
- h. Backflow preventer assemblies shall be installed level and supported with proper backfill materials and compaction to prevent settling.

6.7. Bollard Installation

CONTRACTOR shall install permanent or removable bollards to protect backflow preventer assemblies where directed by the ENGINEER. Final locations and type of bollard (removeable or permanent) shall be determined in the field and approved in advance by the ENGINEER or DISTRICT. Contractor shall propose locations for bollard installations where backflow preventers must be installed directly adjacent to parking areas or drive aisles in commercial applications. Bollards (both removable and permanent) shall be installed in accordance with Standard Detail 2600A and shall include all labor, equipment and materials.

C. CALTRANS ENCROACHMENT PERMIT – CONTRACTOR shall obtain necessary Caltrans Encroachment permits in order to complete work within the Caltrans Right of Way on Clark Road south of Pearson.

C.D. OPTIONAL WORK ITEMS – the following are optional scope items with unit costs to be exercised at the DISTRICT's discretion.

1. Additional Pipe Installation – Customer Side Plumbing

CONTRACTOR may be directed by the ENGINEER depending on site circumstances to install HDPE piping on the customer side of a meter/backflow assembly to connect to or reroute customer plumbing. This work shall include and necessary fittings as needed. Piping can be assumed to be 1" HDPE requiring standard backfill and installation in accordance with DISTRICT's standard details.

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2. Encased Pipe Installation

CONTRACTOR may be directed by the ENGINEER to install encased piping between a meter and backflow assembly to a location designated by the ENGINEER or by the DISTRICT. This work can be assumed to be 1" HDPE with schedule 40 galvanized encasement with minimum annular space in accordance with Standard Detail PID-15 and shall include all fittings as necessary.

3. Standby Time

The CONTRACTOR may encounter on site conditions requiring response by ENGINEER, DISTRICT Operations staff, or other coordination which may result in time when no work may be performed until direction is given or resolution is reached.

- a. CONTRACTOR shall notify ENGINEER immediately if conditions arise which require ENGINEER or DISTRICT response. Notification must be made both in writing and via phone call.
- b. The first 60 minutes after such notification is made in writing shall not be compensated to allow for typical response and resolution time. Thereafter, CONTRACTOR may bill for Standby Time in 30 minute increments if no work can be completed until direction or resolution is provided.
- c. DISTRICT reserves the right to direct the CONTRACTOR to move on to another site rather than incur Standby Time.
- d. CONTRACTOR shall document all instances of Standby Time with timestamped duration, cause and resolution. These data points shall be coordinated and shared with INSPECTOR on site.
- e. CONTRACTOR shall not proceed with work at these locations without written direction from the ENGINEER.

4. Remobilization

The CONTRACTOR may encounter on site conditions requiring response by DISTRICT ENGINEER, Operations staff, or other coordination which may result a need to move on from an assigned site until such time as direction is given.

- a. CONTRACTOR shall notify ENGINEER immediately if conditions arise which require ENGINEER or DISTRICT response. Notification must be made both in writing and via phone call.
- b. DISTRICT reserves the right to direct the CONTRACTOR to move on to another site rather than incur Standby Time.
- c. CONTRACTOR may bill for individual instances of remobilization where such direction has been given by the ENGINEER.
- d. CONTRACTOR shall not remobilize to the site in question until direction to do so has been given in writing by the ENGINEER.

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~~D.E.~~ The Work is located in Paradise, CA at various locations throughout the DISTRICT's Service Area, as designated by the ENGINEER. Work Site locations will be provided in a list at the beginning of the project, organized by Work Zones. CONTRACTOR must complete the work in the order given. The DISTRICT or ENGINEER may adjust the order of the list intermittently.

~~E.F.~~ The CONTRACTOR shall be responsible for the execution of Traffic Control as necessary, in order to complete the Work safely, in compliance with all local, State, and Federal regulations. The CONTRACTOR must obtain an Encroachment Permit from the Town of Paradise in order to execute the assigned work.

~~F.G.~~ The CONTRACTOR shall staff the project at a level to support of the installation of an average of 60 assigned work locations per work week.

~~G.H.~~ The Work will be constructed under one contract. The Contract Documents include the following:

1. Volume 1 – Bid Documents, Specifications, and Standard Details.

1.2 COORDINATION

A. The CONTRACTOR shall be solely responsible for coordination of all of the Work of this Contract.

B. The CONTRACTOR shall supervise, direct and cooperate fully with all Subcontractors, manufacturers, fabricators, suppliers, distributors, installers, testing agencies and all others whose services, materials or equipment are required to ensure completion of the Work within the Contract Time.

C. Work of Others:

1. The CONTRACTOR shall engage with Zenner USA for the necessary staff training in addition to procurement of Meters, MIUs and associated components necessary for installation of metered service connections. A quotation for these unit prices has been included for reference and use.
2. The CONTRACTOR shall cooperate with and coordinate CONTRACTOR's Work with the work of any other contractor, utility service companies, or PID's employees performing work at the site.
3. The CONTRACTOR shall also coordinate their Work with the work of others to assure compliance with schedules.
4. The CONTRACTOR shall attend and participate in all project coordination or progress meetings and report on the progress of all Work and compliance with schedules.
5. If any part of the work depends upon the work of others for proper execution or results, the CONTRACTOR shall inspect and promptly report to the ENGINEER any apparent discrepancies or defects in such work of others that render it unsuitable for such proper execution and results.

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6. Failure of the CONTRACTOR to so inspect and report shall constitute an acceptance of the work of others as fit and proper except as to defects which may develop in the work of others after execution of the work by the CONTRACTOR.

D. Interference with work on utilities:

1. The CONTRACTOR shall cooperate fully with all utility forces of the DISTRICT or forces of other public or private agencies engaged in the relocation, altering, or otherwise rearranging of any facilities which interfere with the progress of the work.
2. The CONTRACTOR shall schedule the work so as to minimize interference with said relocation, altering, or other rearranging of facilities.

E. Responsibility for Damage:

1. The CONTRACTOR shall not be responsible for damage done by CONTRACTORs not under their jurisdiction.
2. The CONTRACTOR will not be liable for any such loss or damage, unless it is through the negligence of the CONTRACTOR.
3. The CONTRACTOR shall be responsible for the restoration of project sites that are disturbed in the course of work. This shall include any areas outside the extents shown on the Standard Details.

1.3 SITE CONDITIONS

A. Site Investigation and Representation

1. The CONTRACTOR acknowledges that it has satisfied itself as to the nature and general location of the work, the general and local conditions, particularly those bearing upon availability of transportation, disposal, handling and storage of materials, availability of labor, water, electric power, roads, and uncertainties of weather, or similar physical conditions at the site, the conformation and conditions of the ground, the character of equipment and facilities needed preliminary to and during the prosecution of the work and all other matters which can in any way affect the work or the cost thereof under this Contract.
2. The CONTRACTOR further acknowledges that it has satisfied itself as to the character, quality, and quantity of surface and subsurface materials to be encountered from inspecting the site and from evaluating information derived from exploratory work that may have been done by PID or included in these Contract Documents. Any failure by the CONTRACTOR to become acquainted with all the available information will not relieve the CONTRACTOR from responsibility for properly estimating the difficulty or cost of successfully performing the work.
3. Field Verification:
 - a. Before undertaking each part of the work, the CONTRACTOR shall carefully study and compare the Contract Documents and check and verify pertinent figures shown thereon and all applicable field measurements.
 - b. As the work proceeds, the CONTRACTOR shall field verify the depth and location of all buried utilities, and existing systems, and location of hazardous waste and contaminants.

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- c. The CONTRACTOR shall promptly report in writing to the ENGINEER any conflict, error, or discrepancy which the CONTRACTOR may discover and shall obtain a written interpretation or clarification from the ENGINEER before proceeding with any work affected thereby.
- B. Existing Utilities and Improvements
 - 1. Location of Underground Utilities:
 - a. It shall be the responsibility of the CONTRACTOR to determine the exact location of all utilities and their service connections in addition to the demarcation and management of all Underground Service Alerts (USAs)
 - b. All potholing or other procedures for verifying utility location shall be performed by the CONTRACTOR as necessary to prepare for excavation.
 - c. The CONTRACTOR shall ascertain the locations of underground utilities the locations of their service laterals work and of service laterals or appurtenances of any other underground utilities which can be inferred from the presence of visible facilities such as buildings, meters and junction boxes prior to doing work that may damage such utilities or interfere with their service.
 - d. Utilities Not Shown:
 - 1) Attention is directed to the existence of underground utilities not identified in the Contract Documents, located in the vicinity of the Contract Work. It is the responsibility of the CONTRACTOR to make all reasonable efforts to locate, support and protect in place any underground utilities encountered in the course of work.
 - 2) If the CONTRACTOR discovers underground a utility not indicated by USA, the CONTRACTOR shall immediately give the ENGINEER and the Utility Company written notification of the existence of such utility.
 - 3) Such utilities shall be located and protected from damages as directed by the ENGINEER and the cost of such work will be paid for as extra work as provided in the General Conditions.
 - 2. Utility Coordination:
 - a. The CONTRACTOR shall notify Underground Service Alert (USA) at least 4 days prior to excavation of each project site location, telephone (800) 642-2444.
 - b. The CONTRACTOR shall also contact all utility owners not registered with USA but known to have utilities in the project area to field locate underground utilities at least 4 days prior to excavation.
 - 1) CONTRACTOR shall coordinate directly with the Town of Paradise to locate and protect traffic loops in place. Traffic loops are not included in the USA process. CONTRACTOR shall be responsible for the repair of traffic loops if damaged during the course of work.
 - c. The CONTRACTOR shall notify all owners of utilities when the Work is in progress and shall make arrangements as necessary to make any emergency repairs.
 - 3. Utility Protection and Damage:
 - a. Existing utilities that are shown or that are made known and located to the CONTRACTOR prior to excavation, and that are to be retained, and all utilities that

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- are constructed during excavation operations shall be properly supported and protected from damage during the progress of the work.
- b. Should any damage to a utility occur during the progress of the work, the CONTRACTOR shall notify PID and the utility at once and render all assistance possible to repair the damage and restore the service, at the expense of the CONTRACTOR.
 - c. No extra compensation will be made for the repair of any services or utility damaged by the CONTRACTOR nor for any damage incurred through neglect or failure to provide adequate protection to existing utilities.
 - d. The provisions of this Section shall not be abated even in the event such damage occurs after backfilling or is not discovered until after completion of the backfilling.
 - e. Damaged water pipelines will be repaired by PID at the CONTRACTOR's expense. If the CONTRACTOR fails to pay the cost of repairs to water pipelines within thirty days of receipt of the invoice, PID reserves the right to withhold the amount owed from the CONTRACTOR's Progress Payment.
 - f. Damage Report:
 - 1) In the event that the CONTRACTOR damages any underground utilities not identified by the USA process or depicted on the Service Map with reasonable accuracy (within 3 feet of actual location) or any lateral service the location of which could not be inferred by the CONTRACTOR, a written report thereof shall be made immediately to the ENGINEER.
 - 2) The CONTRACTOR's report shall also advise the ENGINEER of any schedule delays. Compensation for such delays will be determined in accordance with the General Conditions. The CONTRACTOR shall be entitled to no other compensation for any such damage.
4. All utilities encountered along the line of the work shall remain continuously in service during all work under the Contract or unless other arrangements satisfactory to the ENGINEER are made with the owner of said utilities.
- C. CONTRACTOR's Responsibility for Utility Facilities and Service
- 1. Where the CONTRACTOR's operations could cause damage or inconvenience to railway, telephone, television, power, oil, gas, water, sewer, or irrigation systems, the CONTRACTOR shall make all arrangements necessary for the protection of these utilities and services and shall notify ENGINEER at least 24 hours in advance.
 - 2. The CONTRACTOR shall be solely and directly responsible to the owner and operators of such properties for any damage, injury, expense, loss, inconvenience, delay, suits, actions, or claims of any character brought because of any injuries or damage which may result from the construction operations under this Contract.
 - 3. Neither the PID nor its officers or agents shall be responsible to a utility owner for damages as a result of the CONTRACTOR's failure to protect utilities encountered in the work.
 - 4. In no event shall interruption of any utility service be allowed outside working hours unless granted by the owner of the utility and approved by the ENGINEER.
 - 5. No sand, mud, rocks or other construction debris shall be disposed of in the sanitary sewers or storm sewers.

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6. The CONTRACTOR shall replace, at its own expense, any and all existing utilities or structures removed or damaged during construction, to their existing condition unless otherwise provided for in these Contract Documents.
 7. The CONTRACTOR shall repair or replace, at its own expense, all pavement damaged during the construction, to its existing condition unless otherwise provided for in these Contract Documents.
- D. Names of Known Utilities Serving the Area
1. The following is a list of the known public utilities serving the area:
 - a. Water – Paradise Irrigation District
 - b. Sewer – None
 - c. Stormwater – Town of Paradise
 - d. Communications – AT&T, Comcast
 - e. Electric – PG&E
 - f. Gas – PG&E
- E. Railroads
1. The CONTRACTOR shall not perform work or occupy any part of railroad property without a permit authorizing the same.
- F. Interfering Structures
1. The CONTRACTOR shall take necessary precautions to prevent damage to existing structures whether on the surface, above ground, or underground.
 2. The CONTRACTOR shall protect all existing structures, trees, shrubs, and other items on the project site that are to be preserved, by substantial barricades or other devices commensurate with the hazard, from injury or destruction by vehicles, equipment, workmen, or other agents.
 3. Where existing fences, gates, buildings, retaining wall, or any other structure must be removed to properly carry out the work, or are damaged during the work, they shall be restored at the CONTRACTOR's expense to their original condition or better.
 4. Without additional compensation, the CONTRACTOR may remove and replace in a condition as good as or better than original, any small structures such as fences, and signposts that interfere with the CONTRACTOR's operations. All removal and replacement of small structures, included but not limited to fences and signposts, will first be approved by ENGINEER.
- G. Field Determinations
1. At each assigned address, the CONTRACTOR shall identify whether an RP, DC, or no backflow device is present.
 2. The CONTRACTOR shall locate each service lateral in the field.
 3. The CONTRACTOR shall locate each angle stop in the field.
- H. Field Relocation
1. During the progress of construction, it is expected that minor relocations of the work will be necessary.
 2. Such relocations shall be made only by direction of the ENGINEER.

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3. If existing structures are encountered that will prevent construction as specified notify the ENGINEER before continuing with the work in order that the ENGINEER may make such field revisions as necessary to avoid conflict with the existing structures.
4. If the CONTRACTOR shall fail to notify the ENGINEER when an existing structure is encountered, and shall proceed with the work despite this interference, CONTRACTOR shall do so at their own risk and at no additional cost to PID.
5. Any CONTRACTOR request(s) for additional compensation or contract time resulting from necessary field relocations will be considered as set forth in the General Conditions.
6. If the CONTRACTOR fails to notify the ENGINEER when a structure which interferes with construction is encountered, and proceeds with the work despite this obstruction, the CONTRACTOR shall do so at their own risk and at no additional cost to the OWNER.

1.4 SEQUENCE AND PROGRESS OF WORK

- A. The CONTRACTOR shall submit a Construction Schedule covering the entire Work in accordance with Section 01320, Progress Schedule.
- B. The CONTRACTOR shall incorporate the requirements of Section 01130, Special Project Constraints, into the Construction Schedule.
- C. Alternate Sequence:
 1. The CONTRACTOR's schedule may use a different sequence from that shown or specified, if techniques and methods known to the CONTRACTOR will result in cost and time savings to the PID, and still achieve the required objective.
 2. The ENGINEER's determination on the acceptability of any alternative sequence from that shown or specified shall be final.

1.5 CONTRACTOR'S USE OF WORK AND/OR STORAGE AREAS

- A. The CONTRACTOR shall be solely responsible for obtaining and paying all costs in connection with any additional work area, storage sites, access to the site or temporary right-of-way, which may be required for proper completion of the Work.
 1. It shall be understood that responsibility for protection and safe-keeping of equipment and materials on or near a project site will be entirely that of the CONTRACTOR and that no claim shall be made against PID or their authorized representatives by reason of any act.
- B. The CONTRACTOR shall be required to share use of the premises with other Contractors whose services PID has obtained or will obtain for construction of other facilities on the site.

1.6 REQUIRED PERMITS

- A. The CONTRACTOR shall be responsible for obtaining an Encroachment Permit with the Town of Paradise.

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- B. The CONTRACTOR shall be responsible for obtaining an Encroachment Permit with Caltrans for work on Clark Road below Pearson Road and within the Caltrans right of way.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION (NOT USED)

++ END OF SECTION ++

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SECTION 01130

SPECIAL PROJECT CONSTRAINTS

PART 1 - GENERAL

1.1 LIMIT OF CONSTRUCTION ACTIVITIES ON WORK SITE

A. Traffic Control:

1. Contractor shall be responsible for traffic control as necessary to safely accomplish all work. At no point may both lanes of a roadway be closed to traffic in excess of 10 minutes. If a single lane is closed, contractor must maintain flaggers in accordance with federal, state and local safety standards.
2. During non-work hours, the CONTRACTOR shall keep all lanes of traffic open and clear. All trenches shall be backfilled or covered with suitable steel plates and open to traffic. All plates shall be pinned and secured with cutback to prevent movement of plates under local traffic conditions. Local traffic may include atypical hauling, heavy trucking, and heavy equipment due to recovery operations.
3. Any cost for emergency response required by the Town of Paradise Public Works crew in off-work hours to address the movement of plates or insufficiency of roadway patching such that a hazardous condition is created will be the responsibility of the CONTRACTOR.
4. No equipment, construction material or excavated material that will interfere with traffic shall be stored on streets, shoulders, or roadways at any time.

1.2 SEQUENCE OF WORK

A. General:

1. The DISTRICT or ENGINEER shall provide the CONTRACTOR with a prioritized list of project site locations. The DISTRICT shall retain the right to adjust the priority order of site locations at any time.
2. ENGINEER will indicate which sites require the installation of Service Lateral and Meter Box Only, Backflow only, or Service Lateral, Meter and Backflow for a full installation. The DISTRICT reserves the right to add additional work items to a project site assignment up to the time of installation.
3. The CONTRACTOR shall provide up to fourthree independent crews to approach the work in the following two groupings:
 - a. TwoThree crews shall work through the assigned project sites by means of preestablished zone groupings, completing the required work at each site within a zone area before moving to the next. This component of contractor staffing shall be sized to meet a minimum production rate of 120180 sites completed per month or 3 sites completed per crew per day.
 - b. One crew shall be available at all times to address assignments designated as Priority by the ENGINEER. These sites may be anywhere within the DISTRICT's service area and non-contiguous to each other. Sites must be completed within 4 weeks of assignment as a Priority location. This component of contractor staffing shall be sized to meet a minimum production rate of 2015 project sites completed per week or 3 sites per crew per day. If the production rate of the crew assigned to Priority installations exceeds the number of assigned Priority sites, this crew may be redirected intermittently to work on the regular zone addresses outlined

- in item 3a above as long as all Priority addresses are accomplished within the allowable 4 week time frame from the time they are assigned.
4. The CONTRACTOR shall supply a sufficient quantity of personnel certified to test backflow devices to allow for prompt installation, reconnection and testing of backflows where assigned. Work sites for which multiple scope items are assigned (service lateral, meter, and/or backflow) should not experience multiple service outages in order to facilitate the installation of assigned work without ENGINEER'S prior approval of special circumstances.
 5. The OWNER's water distribution system must remain operational at all times.
- B. DISTRICT or ENGINEER Assistance in the Field
1. The CONTRACTOR shall contact the ENGINEER immediately if DISTRICT assistance is required in the field for any of the following or similar circumstance:
 - a. A leak is discovered on DISTRICT OWNED FACILITIES
 - b. Site conditions require ENGINEER or DISTRICT determination of installation configuration
 - c. Resident/Customer issue or complaint preventing the continuation of work
 - d. Installation conditions outside of the Scope of Work
 2. CONTRACTOR shall allow a minimum 30-45 minutes of response time for requested assistance. CONTRACTOR shall make prompt notification of issues to the ENGINEER as they arise to facilitate the most efficient use of DISTRICT staff time where needed.
 3. DISTRICT reserves the right to charge CONTRACTOR for costs associated with the ENGINEER or DISTRICT's response to a leak, customer issue, or damage caused by the CONTRACTOR as a result of a failure to operate or conduct work within the bounds of this Contract.

1.3 PUBLIC NOTIFICATION REQUIREMENTS

- A. The CONTRACTOR shall be responsible for public notification of planned work at each address/work site. CONTRACTOR shall schedule each site's work within the following time windows, making every attempt to complete work within the noticed window:
- 7am-10am
 - 9am-2pm
 - 1pm-4pm
- B. The CONTRACTOR shall make two rounds of notifications for planned work as outlined below:
1. Two Week Advanced Notice – CONTRACTOR shall make notification of planned work in the area and a resulting related service outage at each address a minimum of two weeks and maximum of three weeks in advance of the date of planned work.
 - a. Notice shall include an estimate of work timing no less specific than a one-week window of time.
 - b. Notice shall be made via phone call/message to a contact number provided by the DISTRICT associated with each address, AND via weather-resistant printed notification in the form of a door hanger or if there is no structure present by means of a paper notice staked in the yard at each address.
 - c. Content and wording of notices (door hangers and printed notices) shall be provided in PDF format by the DISTRICT or ENGINEER excepting fillable date fields to be infilled by the CONTRACTOR.

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2. 48 Hour Advanced Notice – CONTRACTOR shall be responsible for a second round of notice 48 hours in advance of a specific projected 4-hour time window for the work assigned at each location.
 - a. Notice shall be made via weather-resistant printed notification in the form of a door hanger or if there is no structure present by means of a paper notice staked in the yard at each address.
 - b. Content and wording of notices (door hangers and printed notices) shall be provided in PDF format by the DISTRICT or ENGINEER excepting fillable date/time fields to be infilled by the CONTRACTOR. DISTRICT reserves the right to update contact information and/or public messaging information intermittently.
- C. Changes in Scheduled Work
 1. Any changes in projected dates/times for planned work must be communicated to the ENGINEER immediately.
 2. Any changes in projected dates/times for planned work, including but not limited to field conditions, weather, and/or changes to the Priority of assigned sites by the DISTRICT, shall result in renotification of the public by the CONTRACTOR.
 - a. Any change to the schedule resulting in the inaccuracy of the original Two-week Advanced Notice or the 48 Hour Advanced Notice must be corrected by the CONTRACTOR and notice given again, resetting the time periods of notice given.
 - b. Any schedule changes minor enough to still fall within the windows given in the notices does not necessitate renotification.
 - c. Renotifications must be made in the same manner as original notification.
- D. CONTRACTOR shall maintain a detailed log of all public notifications. Data shall be broken down by address, date/time, notification type, success of any phone contact/messages left, type of printed notice left on site, and any other pertinent data. This shall be updated daily and maintained on Microsoft Sharepoint or a similar DISTRICT approved document sharing tool for regular viewing access by the ENGINEER and/or DISTRICT staff.

1.4 PAVING COORDINATION

- A. The CONTRACTOR shall provide a weekly .kmz file type showing highlighted areas of projected work for the coming week. This shall be provided to the Engineer no later than Thursday of each week.
- B. The CONTRACTOR shall attend weekly remote paving coordination meetings with the Town of Paradise to coordinate with other contractors and in-road work within the Town of Paradise.

~~D.~~_____

~~1.4~~—1.5 GPS AND INSTALLATION DOCUMENTATION REQUIREMENTS

- A. The CONTRACTOR shall be responsible for documentation of all installation data, collected and stored using Mobile MMS software by Websoft Developers to interface installation data with the DISTRICT's existing GIS records. Mobile MMS installation report format shall at minimum include photos and details of all billable items of work, tests and

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results, site issues, preconstruction and post construction conditions. Format shall be submitted to ENGINEER for review and approval prior to the beginning of installations.

B. Contact information for Websoft Developers is listed below:

<https://www.websoftdev.com/>

Owner: Sean Dingman

(530) 759-0923

1.5—1.6 PROJECT CONSTRAINTS

A. Maintenance of PID's Operations:

1. Constraints listed herein involve limits on activities during construction. These limits relate to the critical nature of the existing water system.
2. Continuous operation of PID's facilities is of critical importance. Schedule and conduct activities to enable existing facilities to operate continuously, unless otherwise specified.
3. Minimize to the greatest extent possible the duration of any interruptions to customer water service. If a customer is obviously using water at that time, inform the ENGINEER or INSPECTOR immediately. Direction may be given to move to the next project site by the ENGINEER and completed work at a later time or date.
4. Perform Work continuously during critical connections and changeovers, and as required to prevent interruption of PID's operations.
5. Shutdowns:
 - a. If installation of a service lateral requires the shutdown of the main, work must be coordinated and accomplished alongside DISTRICT Operations personnel. Such coordination requires a minimum 72 hour notice.
 - b. Main valves must be operated by DISTRICT Operations personnel
 - c. Coordinate proposed Work with PID and facility operations personnel before affecting shutdowns. The CONTRACTOR shall provide written confirmation of the shutdown date and time two (2) working days prior to the actual shutdown.
 - d. Under no circumstances shall the CONTRACTOR cease Work at the end of a normal working day or at the end of a working week if such actions may inadvertently cause a cessation of any facility operating process, in which case, remain onsite until necessary repairs are complete. This shall include interruptions to customer water service unless otherwise approved by the ENGINEER or PID.
6. Do not close lines, open valves, shut down equipment, or take other action which would affect the operation of existing systems, except as specifically required by the Contract Documents and after approval of the ENGINEER.
7. Do not proceed with Work affecting a facility's operation without obtaining the DISTRICT's advance approval of the need for and duration of such Work.

B. Relocation of Existing Facilities:

1. During construction, it is expected that minor relocations of Work will be necessary.
2. Provide complete relocation of existing structures and Underground Facilities, including piping, utilities, equipment, structures, electrical conduit wiring, electrical duct bank, and other necessary items.
3. Use only new materials for relocated facility. Match materials of existing facility, unless otherwise shown or specified.
4. Perform relocations to minimize downtime of existing facilities.
5. Install new portions of existing facilities in their relocated position prior to removal of existing facilities, unless otherwise accepted by OWNER.

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- C. Leaks on Mains:
1. Extreme care shall be taken when excavating existing water mains. If excavating by hydraulic means, water pressure shall not be applied directly to the pipe or used to clean the pipe to remove coatings.
 2. Leaks discovered on mains shall be reported to the INSPECTOR or ENGINEER immediately. Leak repairs shall be made by DISTRICT Operations staff.
 3. The DISTRICT reserves the right to charge the CONTRACTOR for all leak repair costs resulting from negligent work by the CONTRACTOR.
- D. Overtime:
1. Conduct Work outside regular working hours only on prior written consent of OWNER to meet Project schedule and avoid undesirable conditions.
 2. All overtime Work by the CONTRACTOR necessary to conform to the requirements of this Section and related Sections shall be performed by the CONTRACTOR, at no cost to the OWNER and shall be performed in accordance with the General Conditions. The CONTRACTOR shall make no claims for extra compensation as a result thereof.
- E. Ongoing Recovery Operations:
1. Due to the nature of ongoing recovery operations, hazardous tree removal and reconstruction within the Town of Paradise, CONTRACTOR will be required to coordinate and adjust work sequencing to accommodate a variety of activities in proximity to project sites. Every effort shall be made by the CONTRACTOR to avoid interrupting or otherwise preventing other entities from completing their work. If any interruption to the sequencing or timing of contract work is necessary due to these other activities, inform ENGINEER immediately.
- F. In Road Work:
1. Contractor shall be responsible for executing Traffic Control for all in-road work according to all local, state, and federal regulations and safety standards.
 2. Open trench work will not be allowed within the public easement along Clark Road, south of Pearson without a CALTRANS Encroachment permit, to be obtained by the CONTRACTOR
- G. Permitting: Work shall be conducted under the Encroachment Permit obtained by the Contractor from the governing agency whose right-of-way is encroached upon (Town of Paradise). The Contractor is responsible for complying with all applicable conditions listed on the governing agency encroachment permit including payment for inspections by the governing agency.

1.6—1.7 CONSTRUCTION SEQUENCING CONSTRAINTS

- A. The locations where work will be completed as part of this CONTRACT will be selected and prioritized by ENGINEER or the DISTRICT in order to support ongoing operations and/or rebuilding of the Town of Paradise following the Camp Fire.
1. The CONTRACTOR will be provided with a prioritized list of locations where work is to be completed, and the scope of the work to be completed at each site.
 2. For two of the CONTRACTOR's crews, sites will be organized by location into Zones. Work through the zones must be completed in the order of zones provided by the DISTRICT or ENGINEER. A third CONTRACTOR crew will receive assignments of PRIORITY addresses which may be located anywhere within the DISTRICT's service

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area. These Priority sites must be completed within 4 weeks of assignment to the contractor. If these Priority sites are caught up, this third crew may also work through the regular listed locations alongside the first two crews.

3. Adherence to this prioritized list of project locations is of critical importance. CONTRACTOR is required to coordinate with ENGINEER if any deviation from this prioritized sequence becomes necessary.
4. Priority order on the list of assigned locations may be adjusted by the DISTRICT at any time.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION (NOT USED)

+ + END OF SECTION + +

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